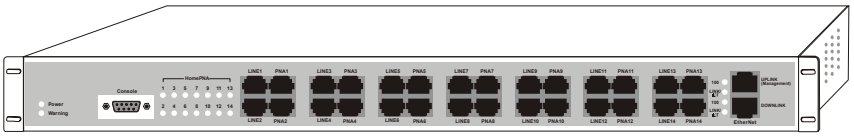
INTRODUCTION

The manageable 14-port HomePNA Switch is a device utilizing the existing telephone wiring within a building to deliver data and does not interrupt regular voice services. Data and voice run simultaneously on the same pair of wire without any rewiring. It is suitable for hotel/motel, multi-tenant apartment, multi-tenant commercial, multi-tenant student dorm, campus and local loop. This switch supports a concentrator mode, where each of the ports is dedicated to directly communicate with the Uplink/downlink ports. This mode ensures that data from any of ports 1-14 cannot be directly seen by another port. This feature, therefore, provides data privacy to subscribers.



The manageable 14-port HomePNA Switch is designed to eliminate unnecessary network traffic, and relieve congestion by delivering dedicated bandwidth for each of the ports. Able to begin operating after power-up, the switch will learn addresses automatically, and begin forwarding packets at full wire-speed to any of the outputs. Additionally, this switch comes with the full network management functions such as SNMP, Web-browser, Telnet, Windows GUI tool and Local Console management. Moreover, the switch can be operated stand-alone or can be cascaded to stack up with multiple units to provide low cost network solutions.

SPECIFICATIONS

Network Connection

Totally 14 HomePNA 1.1 ports, each port has 2 RJ-11 connectors

- One has built-in low-pass filter for PBX/PSTN connection
- The other is passing-through for HomePNA client connections
- The transmitting power for each HomePNA port can be adjusted
- The receiving threshold for each HomePNA port can be adjusted

2 10/100 Fast Ethernet ports

- Compliant with IEEE802.3/802.3u, 10/100BASE-TX standard
- Full Duplex supported
- IEEE 802.3x compliant Flow Control supported for full-duplex
- Advanced MDI/MDIX auto crossover feature

1 Console port for out-of-band management

Switching and Management Function

Switching functions

- Layer 2 switching based on MAC address
- Store and Forward packet switching
- Broadcast Storm rate filtering
- 8K MAC address table supported
- Port-based VLAN supported(up to 14 VLAN groups)
- Overlapping VLAN supported

Management functions

- SNMP MIB I management agent supported
- Windows GUI configuration/management program supported
- Local console management supported
- Telnet management supported
- Web management supported

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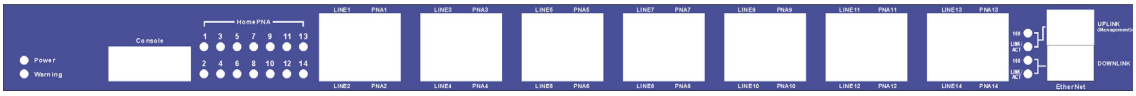
- Management item list
  - Port enable/disable
  - Port status monitor
  - Transmitting power control for each port
  - Receiving sensitivity control for each port
  - VLAN configuration
  - Transmit/Receive Counters

Mechanic & ID Design

Nameplate design



LED indicators

- Each HomePNA port: Link/Act
- Fast Ethernet Port: Link/Act, 100M
- Power, Warning

Case

- 1U height, metal case
- 19-inch, 1U size
- 1 build-in 40X40 mm fan

Physical & Environmental

- **AC input**

  100 - 240 VAC, 50/60 Hz
  Internal universal power supply

- **Operating temperature**

  0 - 50 °C

- **Storage temperature:**

  -25 - 55 °C

- **Humidity**

  - 5% - 95%, non-condensing

- **Power consumption:**

  22.5W Maximum

EMC certifications:

- FCC part 15 class A

PTT certification

- FCC part 68

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